

ABSTRACT OF THE DISCLOSURE

5 An anti-rotation guide for preventing rotation of a roller follower valve lifter in an
internal combustion engine. The guide has an outer surface for engaging an engine
bore and an inner surface for slidably receiving the lifter. One end of the guide includes
an anti-rotation feature for cooperating with a mating feature on the lifter, preferably flats
although other configurations are contemplated within the scope of the invention. The
anti-rotation feature may take any of a plurality of shapes, including but not limited to an
10 arm and tang, a flap, and an orifice flat. The guide is installed from an opening in the
engine bore proximate a camshaft disposed in the engine block. The cooperating
features prevent axial rotation of a lifter within the sleeve but do not inhibit axial or
reciprocal motion of the lifter.